

THIS IS THE EMS POLYSYNTHI

Polysynthi was designed by Graham Brown at EMS



An entirely new concept in live performance synthesizers. At last the problem of combining a genuinely large range of special effects with instant and dependable patch switching has been solved.

- Equally tempered, fully polyphonic oscillator bank, easily tuned and completely stable, covering nine octaves in six overlapping ranges.
- Four-octave standard keyboard with three simultaneous outputs — polyphonic, position dependent control voltage and pressure dependent control voltage.
- Two comprehensive voltage controlled low frequency oscillators with variable waveforms.
- Two ADSR envelope generators with LED displays.
- Analogue delay line for echo, chorus, flanging and reverberation effects.
- Panel ergonomics specially designed for ease of operation plus perfect reliability under concert conditions. LED-indicated control voltage switching, colour coded function areas, clear legending and logical layout give the performer an enormous range of easily patched, repeatable effects.
- Optional add-on polyphonic sequencer allows even greater flexibility. Up to ten minutes of polyphony can be stored and

edited by this unique device. Hundreds of special effects with pinpoint accuracy using the latest microprocessor techniques. No other available sequencer offers a truly polyphonic memory. The programming is based on the research at the EMS computer studio, and uses many of the techniques developed specially for this very advanced studio.

- No special training needed — you command, POLYSYNTHI does it.

The EMS POLYSYNTHI is played by means of a 4-octave pressure sensitive mechanical keyboard. This supplies polyphonic information to the oscillator bank, plus two control voltages corresponding to the highest note played and the pressure applied. These voltages may be routed to the other devices.

Above the keyboard is a 6-bus switching system. Coloured switches allow the performer to choose between two low frequency oscillators (VCLFO), two envelope generators (ADSR), and the

two keyboards control outputs (highest note position and pressure). The switches are centre-off and situated directly below the device to which they relate. Coloured LEDs indicate which voltages from the busses are being routed.

The main panel is divided into five coloured sections. The two red sections are the CONTROL units: envelope follower, the two voltage controlled low frequency oscillators and the two ADSR envelope generators. The centre (blue) section contains the sound SOURCES: the three waveforms from the oscillator bank, the output from the noise generator, and an external input. These sources are mixed together in any desired proportion. The two yellow right hand sections contain the TREATMENTS. One section has the voltage controlled switchable two- or four-pole filter and the voltage controlled amplifier. The other has the analogue delay line (ADL) with voltage control of delay and with variable feedback and mix.

Further USA market penetration sought Dealers and Distributors contact:
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